



DOCKET NO: I0168-7081.19

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Frederick Wilkins, et al.  
Serial No: 10/712,162  
Confirmation No: 8203  
Filed: November 13, 2003  
For: WATER TREATMENT SYSTEM AND METHOD  
  
Examiner: Not yet assigned  
Art Unit: 1724

**CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)**

The undersigned hereby certifies that this document is being placed in the United States mail with first-class postage attached, addressed to Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the 19 day of May, 2005.

  
Jeanne W. Chub

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Transmitted herewith are the following documents:

- ☒ Information Disclosure Statement, Form PTO-1449 and Cited References
- ☒ Return Receipt Postcard

If the enclosed papers are considered incomplete, the Mail Room and/or the Application Branch is respectfully requested to contact the undersigned at (617) 395-7000.

A check is not enclosed. If a fee is required, the Commissioner is hereby authorized to charge Deposit Account No. 50/0214. A duplicate of this sheet is enclosed.

Respectfully submitted,  
*Frederick Wilkins, et al., Applicants*

By: 

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(617) 395-7000

Date: May 19, 2005



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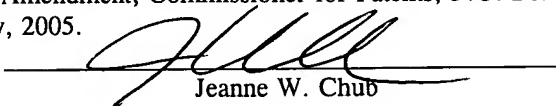
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Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**STATEMENT FILED PURSUANT TO THE DUTY OF  
DISCLOSURE UNDER 37 CFR §§1.56, 1.97 AND 1.98**

Sir:

Pursuant to the duty of disclosure under 37 C.F.R. §§1.56, 1.97 and 1.98, the Applicant requests consideration of this Information Disclosure Statement.

**PART I: Compliance with 37 C.F.R. §1.97**

This Information Disclosure Statement has been filed before the mailing date of a first Office Action on the merits in the above-identified case.

No fee or certification is required.

**PART II: Information Cited**

The Applicant hereby makes of record in the above-identified application the information listed on the attached form PTO-1449 (modified). The order of presentation of the references should not be construed as an indication of the importance of the references.

The Applicant hereby makes the following additional information of record in the above-identified application.

The Applicant brings to the attention of the examiner the following co-pending applications:

<b>Serial No.</b>	<b>Filing Date</b>	<b>Title</b>	<b>Inventors</b>
10/856,264	05/27/04	Water Treatment System and Process	Wilkins et al.
10/845,782	05/13/04	Electrodeionization Device and Methods...	Arba et al.
10/278,714	10/23/02	Production of Water for Injection Using...	Wood et al.
10/272,356	10/15/02	Apparatus for Fluid Purification...	Liang et al.

The Applicant encloses a copy of an International Search Report and a copy of Written Opinion of the International Search Authority in a corresponding international application, International Application No. PCT/US2004/037940.

**PART III: Explanation of Non-English Language References and Remarks Concerning Other Information Cited**

The following is a concise explanation of the relevance of each non-English language reference listed on the attached form PTO-1449 (modified):

DE 3238280 appears to be directed to a process for desalting solutions. An English Abstract is provided.

DE 4016000 appears to be directed to ion exchange apparatus for treating liquid, especially for metal recovery, with exchanger regeneration by electro-dialysis. An English language abstract is provided.

JP 2005007347 is directed to electrodialysis-type water-purification apparatus. An English language abstract is provided.

JP 2005007348 is directed to an apparatus for electric deionization of water manufactured by less assembling steps. An English language abstract is provided.

**PART IV: Remarks**

Documents cited anywhere in the Information Disclosure Statement are enclosed unless otherwise indicated. It is respectfully requested that:

1. The Examiner consider completely the cited information, along with any other information, in reaching a determination concerning the patentability of the present claims;
2. The enclosed form PTO-1449 be signed by the Examiner to evidence that the cited information has been fully considered by the Patent and Trademark Office during the examination of this application;
3. The citations for the information be printed on any patent which issues from this application.

By submitting this Information Disclosure Statement, the Applicant makes no representation that a search has been performed, of the extent of any search performed, or that more relevant information does not exist.

By submitting this Information Disclosure Statement, the Applicant makes no representation that the information cited in the Statement is, or is considered to be, material to patentability as defined in 37 C.F.R. §1.56(b).

By submitting this Information Disclosure Statement, the Applicant makes no representation that the information cited in the Statement is, or is considered to be, in fact, prior art as defined by 35 U.S.C. §102.

Notwithstanding any statements by the Applicant, the Examiner is urged to form his own conclusion regarding the relevance of the cited information.

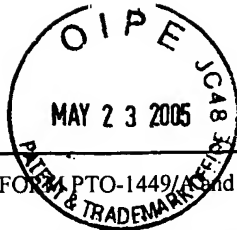
An early and favorable action is hereby requested.

Respectfully submitted,  
*Frederick Wilkins, et al., Applicants*

By: 

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Cambridge, Massachusetts 02142  
Tel. (617) 395-7000

Docket No. I0168-7081.19  
Date: May 19 2005



FORM PTO-1449/A and B (Modified) <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				APPLICATION NO.: 10/712,162		ATTY. DOCKET NO.: I0168-7081.19	
				FILING DATE: November 13, 2003		CONFIRMATION NO.: 8203	
				APPLICANT: Frederick Wilkins, et al.			
				GROUP ART UNIT: 1724		EXAMINER: Not yet assigned	
Sheet	1	of	2				

#### U.S. PATENT DOCUMENTS

Examiner's Initials	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication or of issue of Cited Document MM-DD-YYYY
		Number	Kind Code		
	*	US H1206 H		Thibodeaux et al.	07/06/1993
	*	US2002/092769	A1	Garcia Benny et al.	07/18/2002
	*	US2003/098266	A1	Shiue Lih-Ren et al.	05/29/2003
	*	US2003/155243	A1	Sferrazza Alois	08/21/2003
	*	US2003/080467	A1	Andrews et al.	05/01/2003
	*	US2003/089609	A1	Liang Li-Shiang et al.	05/15/2003
	*	US2004/0079700	A1	Liang et al.	11/30/2004
	*	3,630,378	A	William C. Bauman	12/28/1971
	*	4,655,909	A	Furuno et al.	04/07/1987
	*	5,558,753	A	Gallagher et al.	09/24/1996
	*	5,788,826		Nyberg	08/04/1998
	*	6,056,878	A	Tessier et al.	05/02/2000
	*	6,187,162	B1	Mir Leon	02/13/2001
	*	6,274,019	B1	Kuwata Masahiro	08/14/2001
	*	6,296,751	B1	Mir Leon	10/02/2001
	*	6,824,662	B2	Liang et al.	11/30/2004
	*	6,649,037	B2	Liang et al.	11/18/2003

#### FOREIGN PATENT DOCUMENTS

Examiner's Initials	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document (not necessary)	Date of Publication of Cited Document MM-DD-YYYY	Translation (Y/N)
		Office/ Country	Number	Kind Code			
		DE	3238280	A1		04/19/1984	Abstract Only
		DE	4016000	A1		11/21/1991	Abstract Only
		EP	0170895	A2		02/12/1986	
		EP	0803474	A2		10/29/1997	
		EP	1068901	A2		01/17/2001	
		EP	1172145	A2		01/16/2002	
		EP	1222954	A1		07/17/2002	
		EP	1506941	A1		02/16/2005	
		JP	2005007347			01/13/2005	Abstract Only
		JP	2005007348			01/13/2005	Abstract Only
		WO	98/17590			04/30/1998	
		WO	98/58727			12/30/1998	
		WO	02/04357	A1		01/17/2002	

<b>FORM PTO-1449/A and B (Modified)</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				APPLICATION NO.: 10/712,162		ATTY. DOCKET NO.: I0168-7081.19			
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				APPLICANT: Frederick Wilkins, et al.					
				GROUP ART UNIT: 1724		EXAMINER: Not yet assigned			
Sheet	2	of	2						

**OTHER ART — NON PATENT LITERATURE DOCUMENTS**

Examiner's Initials	Cite No	Include name of the author (in CAPITAL LETTERS) title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, relevant page(s), volume-issue number(s), publisher, city and/or country where published.	Translation (Y/N)
		Yoran Oren et al., "Studies on Polarity Reversal with Continuous Deionization," <i>Desalination</i> , Elsevier Scientific Publishing Co., Amsterdam, NL, vol. 86, no. 2, June 1, 1992, pp. 155-171.	
		Wood, J.H. et al., "Continuous Electrodeionisation: Module Design Considerations for the Production of High Purity Water," <i>Proc. Of IEX at the Millenium</i> , July 16, 2000, pp. 44-51.	

EXAMINER	DATE CONSIDERED
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#EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

\*a copy of this reference is not provided as the reference is a published U.S. Patent or U.S. Patent application and the present application was filed after June 30, 2003.